

AMENDMENTS TO THE ABSTRACT

SIMPLIFIED AUTOMATIC TYRE DEMOUNTING DEVICE, AND TYRE REMOVAL  
MACHINES EQUIPPED THEREWITH

ABSTRACT

Automatic device for demounting a tyre from the  
relative wheel rim, ~~comprising, for supporting the~~ having  
rotary apparatus which supports a wheel rim complete with tyre,  
and tyre. ~~rotary means~~ The rotary apparatus is associated with  
a frame which supports a demounting tool ~~and is~~. The  
demounting tool is associated with ~~means enabling it~~  
~~to~~ apparatus that can be positioned in a ~~tyre~~ tire bead seeking  
and gripping position ~~in which it is perpendicular to the axis~~  
~~or orientated where the axis of the demounting tool is parallel~~  
to that of the frame or the demounting tool is rotated in a  
first direction towards the centre of the wheel rim, and ~~in a~~  
~~position~~ positioned for extracting ~~said tyre~~ tire bead from the  
wheel rim in which ~~it is perpendicular to the axis of the~~  
demounting tool is parallel to that of the frame or the  
demounting tool is ~~orientated in the opposite~~ rotated in a  
direction opposite to the first direction, said tool  
positioning means comprising a bar, to the end of which said  
tool is hinged in an intermediate position, and a connecting  
rod which at one end is hinged to one end of said tool, and at

Appln. No. 10/632,910  
Amdt. dated December 9, 2004  
Reply to Office Action of September 9, 2004

the opposite end is connected to said bar by a lever linkage,  
said bar being connected to means for advancing it and  
withdrawing it.

Attachment: Replacement Abstract